

## ALLIANCE FOR TELECOMMUNICATIONS INDUSTRY SOLUTIONS

### PATENT HOLDER STATEMENT

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ATIS

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#### **A. PARTY SUBMITTING THE STATEMENT**

Legal Name (e.g. XYZ Corp.):
QUALCOMM Incorporated

#### **B. CONTACT FOR LICENSING INFORMATION**

Contact Name:	Thomas R. Rouse	Title:	VP, QTL Patent Counsel
Department:	QTL		
Telephone:	858-651-6732	Fax:	858-658-2503
Email:	<a href="mailto:trouse@qualcomm.com">trouse@qualcomm.com</a>		

### C. ATIS-DEVELOPED AMERICAN NATIONAL STANDARD OR OTHER ATIS DELIVERABLE

Please complete a separate Patent Holder Statement for each standard/deliverable.

ATIS Forum/Committee:	IIF
ATIS Document Number:	ATIS-0800013
Title:	Media Formats and Protocols for IPTV Services
Other tracking identifiers*, if appropriate:	

\*Note: If the standard/deliverable information is not available, please provide available tracking identifiers (e.g., Committee and Issue number, working text number, contribution number).

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- ☐ 1. The Party submitting this Statement does not hold or does not currently intend holding any invention the use of which would be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C.
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- Mark here ☐ if the Party submitting this Statement reserves the right to obtain compensation from applicants who are only willing to license, for compensation, their claim(s) of patents covering an invention, the use of which is required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, on reasonable terms and conditions that are demonstrably free of any unfair discrimination.
- or
- ☒ b. A license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, with compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS deliverable;
- Mark here ☒ if such licensing assurance is subject to applicant reciprocity.
- or
- ☐ c. Is unwilling or unable to grant licenses according to the provisions of either 2a or 2b.

3. If the Party submitting this Statement has checked box 2a or 2b, please indicate whether (*check a or b below*):

- ☐ a. The license assurance is provided for any claim(s) of any patent(s) owned or controlled by the Party submitting this Statement, and which such Party has a right to license, covering an invention the use of which is required for compliance with the American National Standard or other ATIS deliverable identified in Section C, including the claim(s) of the patent(s) identified in Section E, if any; or
- ☒ b. The license assurance is provided only for the claim(s) of the patent(s) identified in Section E covering an invention the use of which is required for compliance with the American National Standard or other ATIS deliverable identified in Section C.


#### E. IDENTIFICATION OF PATENTS

(Completion of the following information is optional if D3a is selected. If D3b is selected, please provide the information indicated below for each patent or application. Attach additional sheets as necessary.)

Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title	Relevance*
See additional sheets.				

\* Note: A Party may, at its discretion, provide further information or explanation in respect of the invention's relevance to the American National Standard or other ATIS Deliverable identified in Section C.

# F. SIGNATURE

Name of Authorized Person (type or print legibly):	Thomas R. Rouse
Signature of Authorized Person:	
Title:	VP, QTL Patent Counsel
Date:	July 19, 2010

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General Counsel  
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Email: [patents@atis.org](mailto:patents@atis.org)

## E. IDENTIFICATION OF PATENTS (Additional sheets)

Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title
6,307,487	United States of America	Granted	Information additive code generator and decoder for communication systems
767140	Australia	Granted	Information additive code generator and decoder for communication systems
6,373,406	United States of America	Granted	Information additive code generator and decoder for communication systems
6,614,366	United States of America	Granted	Information additive code generator and decoder for communication systems
7,057,534	United States of America	Granted	Information additive code generator and decoder for communication systems
7,233,264	United States of America	Granted	Information additive code generator and decoder for communication systems
11/738,866	United States of America	Pending	Information additive code generator and decoder for communication systems
11/841,954	United States of America	Pending	Information additive code generator and decoder for communication systems
2345237	Canada	Granted	Information additive code generator and decoder for communication systems
EP1116335	Germany (Federal Republic of)	Granted	Lost packet recovery method for packet transmission protocols
EP1241795	Germany (Federal Republic of)	Granted	Method and system for transmitting and receiving information using chain reaction codes
EP1116335	European Patent	Granted	Lost packet recovery method for packet transmission protocols
EP1241795	European Patent	Granted	Method and system for transmitting and receiving information using chain reaction codes
09007850.2	European Patent	Pending	Method and system for transmitting and receiving information using chain reaction codes
EP1116335	France	Granted	Lost packet recovery method for packet transmission protocols
EP1241795	France	Granted	Method and system for transmitting and receiving information using chain reaction codes
EP1116335	United Kingdom	Granted	Lost packet recovery method for packet transmission protocols



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Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title
EP1241795	United Kingdom	Granted	Method and system for transmitting and receiving information using chain reaction codes
1038995	Hong Kong	Granted	Lost packet recovery method for packet transmission protocols
140705	Israel	Granted	Lost packet recovery method for packet transmission protocols
EP1116335	Italy	Granted	Lost packet recovery method for packet transmission protocols
EP1241795	Italy	Granted	Method and system for transmitting and receiving information using chain reaction codes
3976163	Japan	Granted	Lost packet recovery method for packet transmission protocols
3809957	Japan	Granted	Lost packet recovery method for packet transmission protocols
598662	Korea Republic of (KR)	Granted	Lost packet recovery method for packet transmission protocols
79667	Singapore	Granted	Information additive code generator and decoder for communication systems
11/679,170	United States of America	Pending	Multi-output packet server with independent streams
NI-194502	Taiwan	Granted	Multi-output packet server with independent streams
6,073,250	United States of America	Granted	Loss resilient decoding technique
6,081,909	United States of America	Granted	Irregularly graphed encoding technique
6,163,870	United States of America	Granted	Message encoding with irregular graphing
7,068,729	United States of America	Granted	Multi-stage code generator and decoder for communication systems
7,720,174	United States of America	Granted	Multi-stage code generator and decoder for communication systems
7,711,068	United States of America	Granted	Multi-stage code generator and decoder for communication systems

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Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title
12/781,192	United States of America	Pending	Multi-stage code generator and decoder for communication systems
02828117.9	China	Pending	Multi-stage code generator and decoder for communication systems
02794439.6	European Patent	Pending	Multi-stage code generator and decoder for communication systems
1566/CHENP/2004	India	Pending	Multi-stage code generator and decoder for communication systems
4157041	Japan	Granted	Multi-stage code generator and decoder for communication systems
924295	Korea Republic of (KR)	Granted	Multi-stage code generator and decoder for communication systems
1280748	Taiwan	Granted	Multi-stage code generator and decoder for communication systems
6,856,263	United States of America	Granted	Systems and processes for decoding chain reaction codes through inactivation
7,030,785	United States of America	Granted	Systems and processes for decoding a chain reaction code through inactivation
7,265,688	United States of America	Granted	Systems and processes for decoding a chain reaction code through inactivation
7,633,413	United States of America	Granted	Systems and processes for decoding a chain reaction code through inactivation
ZL03813796.8	China	Granted	Apparatus and method of decoding of chain reaction codes through inactivation of recovered symbols
03757482.9	European Patent	Pending	Decoding of chain reaction codes through inactivation of recovered symbols
HK1082127	Hong Kong	Granted	Apparatus and method of decoding of chain reaction codes through inactivation of recovered symbols
3079/CHENP/2004	India	Pending	Decoding of chain reaction codes through inactivation of recovered symbols
4224022	Japan	Granted	Decoding of chain reaction codes through inactivation of recovered symbols
950186	Korea Republic of (KR)	Granted	Decoding of chain reaction codes through inactivation of recovered symbols

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Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title
6,909,383	United States of America	Granted	Systematic encoding and decoding of chain reaction codes
7,394,407	United States of America	Granted	Systematic encoding and decoding of chain reaction codes
7,532,132	United States of America	Granted	Systematic encoding and decoding of chain reaction codes
12/418,378	United States of America	Pending	Systematic encoding and decoding of chain reaction codes
ZL200380104307.6	China	Granted	System and methods for systematic encoding and decoding of chain reaction codes
03808111.3	European Patent	Pending	Systematic encoding and decoding of chain reaction codes
06100646.2	Hong Kong	Pending	Systematic encoding and decoding of chain reaction codes
220074	India	Granted	A decoder, a method of encoding source data into encoded data and a method of decoding encoded data
2004-543067	Japan	Pending	Systematic encoding and decoding of chain reaction codes
2010-108294	Japan	Pending	Systematic encoding and decoding of chain reaction codes
10-2005-7005861	Korea Republic of (KR)	Pending	Systematic encoding and decoding of chain reaction codes
7,418,651	United States of America	Granted	File download and streaming system
12/197,993	United States of America	Pending	File download and streaming system
200580001026.7	China	Pending	File download and streaming system
05747947.9	European Patent	Pending	File download and streaming system
10002379.5	European Patent	Pending	File download and streaming system
07105599.7	Hong Kong	Pending	File download and streaming system



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Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title
2427/CHENP/2006	India	Pending	File download and streaming system
2007-511719	Japan	Pending	File download and streaming system
10-2006-7009106	Korea Republic of (KR)	Pending	File download and streaming system
7,721,184	United States of America	Granted	Method and apparatus for fast encoding of data symbols according to half-weight codes
12/331,268	United States of America	Pending	Method and apparatus for fast encoding of data symbols according to half-weight codes
7,660,245	United States of America	Granted	FEC architecture for streaming services including symbol-based operations and packet tagging
12/606,421	United States of America	Pending	FEC architecture for streaming services including symbol based operations and packet tagging
11/747,191	United States of America	Pending	Code generator and decoder for communications systems operating using hybrid codes to allow for multiple efficient
6,320,520	United States of America	Granted	Information additive group code generator and decoder for communications systems
781130	Australia	Granted	Group chain reaction encoder with variable number of associated input data for each output group code
2359534	Canada	Pending	Group chain reaction encoder with variable number of associated input data for each output group code
EP1214793	Germany (Federal Republic of)	Granted	Group chain reaction encoder with variable number of associated input data for each output group code
EP1214793	European Patent	Granted	Group chain reaction encoder with variable number of associated input data for each output group code
EP1214793	France	Granted	Group chain reaction encoder with variable number of associated input data for each output group code
EP1214793	United Kingdom	Granted	Group Chain reaction encoder with variable number of associated input data for each output group code
144594	Israel	Granted	Information additive group code generator and decoder for communications systems
2000-282732	Japan	Pending	Information additive group code generator and decoder for communications systems

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Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title
82441	Singapore	Granted	Group chain reaction encoder with variable number of associated input data for each output group code
7,243,285	United States of America	Granted	Systems and methods for broadcasting information additive codes